

TABLE 25
Change of Altitude in Given Time from Meridian Transit

| ^a (table 24) | t, meridian angle | | | | | | | | | | | | | | | ^a (table 24) |
|-------------------------------|-------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|-------------------------------|
| | 5' | 10' | 15' | 20' | 25' | 30' | 35' | 40' | 45' | 50' | 55' | 1° 00' | 1° 05' | 1° 10' | | |
| 0° 20' | 0° 40' | 1° 00' | 1° 20' | 1° 40' | 2° 00' | 2° 20' | 2° 40' | 3° 00' | 3° 20' | 3° 40' | 4° 00' | 4° 20' | 4° 40' | | | |
| " | ' | ' | ' | ' | ' | ' | ' | ' | ' | ' | ' | ' | ' | ' | ' | " |
| 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 |
| 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.2 | 0.2 |
| 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.3 | 0.3 |
| 0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.4 | 0.4 |
| 0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.2 | 0.2 | 0.5 | 0.5 |
| 0.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.6 | 0.6 |
| 0.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.2 | 0.2 | 0.2 | 0.2 | 0.3 | 0.7 | | |
| 0.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.2 | 0.2 | 0.3 | 0.3 | 0.8 | | |
| 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.2 | 0.2 | 0.2 | 0.3 | 0.3 | 0.9 | | |
| 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.2 | 0.2 | 0.2 | 0.3 | 0.3 | 0.4 | 1.0 | | |
| 2.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.2 | 0.2 | 0.3 | 0.4 | 0.4 | 0.5 | 0.6 | 0.7 | 2.0 | |
| 3.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.2 | 0.3 | 0.4 | 0.4 | 0.6 | 0.7 | 0.8 | 0.9 | 1.1 | 3.0 | |
| 4.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.2 | 0.3 | 0.4 | 0.5 | 0.6 | 0.7 | 0.9 | 1.1 | 1.3 | 1.5 | 4.0 | |
| 5.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.2 | 0.3 | 0.5 | 0.6 | 0.8 | 0.9 | 1.1 | 1.3 | 1.6 | 1.8 | 5.0 | |
| 6.0 | 0.0 | 0.0 | 0.1 | 0.2 | 0.3 | 0.4 | 0.5 | 0.7 | 0.9 | 1.1 | 1.3 | 1.6 | 1.9 | 2.2 | 6.0 | |
| 7.0 | 0.0 | 0.1 | 0.1 | 0.2 | 0.3 | 0.5 | 0.6 | 0.8 | 1.0 | 1.3 | 1.6 | 1.9 | 2.2 | 2.5 | 7.0 | |
| 8.0 | 0.0 | 0.1 | 0.1 | 0.2 | 0.4 | 0.5 | 0.7 | 0.9 | 1.2 | 1.5 | 1.8 | 2.1 | 2.5 | 2.9 | 8.0 | |
| 9.0 | 0.0 | 0.1 | 0.2 | 0.3 | 0.4 | 0.6 | 0.8 | 1.1 | 1.4 | 1.7 | 2.0 | 2.4 | 2.8 | 3.3 | 9.0 | |
| 10.0 | 0.0 | 0.1 | 0.2 | 0.3 | 0.5 | 0.7 | 0.9 | 1.2 | 1.5 | 1.9 | 2.2 | 2.7 | 3.1 | 3.6 | 10.0 | |
| 11.0 | 0.0 | 0.1 | 0.2 | 0.3 | 0.5 | 0.7 | 1.0 | 1.3 | 1.6 | 2.0 | 2.5 | 2.9 | 3.4 | 4.0 | 11.0 | |
| 12.0 | 0.0 | 0.1 | 0.2 | 0.4 | 0.6 | 0.8 | 1.1 | 1.4 | 1.8 | 2.2 | 2.7 | 3.2 | 3.8 | 4.4 | 12.0 | |
| 13.0 | 0.0 | 0.1 | 0.2 | 0.4 | 0.6 | 0.9 | 1.2 | 1.5 | 2.0 | 2.4 | 2.9 | 3.5 | 4.1 | 4.7 | 13.0 | |
| 14.0 | 0.0 | 0.1 | 0.2 | 0.4 | 0.6 | 0.9 | 1.3 | 1.7 | 2.1 | 2.6 | 3.1 | 3.7 | 4.4 | 5.1 | 14.0 | |
| 15.0 | 0.0 | 0.1 | 0.3 | 0.4 | 0.7 | 1.0 | 1.4 | 1.8 | 2.2 | 2.8 | 3.4 | 4.0 | 4.7 | 5.4 | 15.0 | |
| 16.0 | 0.0 | 0.1 | 0.3 | 0.5 | 0.7 | 1.1 | 1.5 | 1.9 | 2.4 | 3.0 | 3.6 | 4.3 | 5.0 | 5.8 | 16.0 | |
| 17.0 | 0.0 | 0.1 | 0.3 | 0.5 | 0.8 | 1.1 | 1.5 | 2.0 | 2.6 | 3.1 | 3.8 | 4.5 | 5.3 | 6.2 | 17.0 | |
| 18.0 | 0.0 | 0.1 | 0.3 | 0.5 | 0.8 | 1.2 | 1.6 | 2.1 | 2.7 | 3.3 | 4.0 | 4.8 | 5.6 | 6.5 | 18.0 | |
| 19.0 | 0.0 | 0.1 | 0.3 | 0.6 | 0.9 | 1.3 | 1.7 | 2.3 | 2.8 | 3.5 | 4.3 | 5.1 | 5.9 | 6.9 | 19.0 | |
| 20.0 | 0.0 | 0.1 | 0.3 | 0.6 | 0.9 | 1.3 | 1.8 | 2.4 | 3.0 | 3.7 | 4.5 | 5.3 | 6.3 | 7.3 | 20.0 | |
| 21.0 | 0.0 | 0.2 | 0.4 | 0.6 | 1.0 | 1.4 | 1.9 | 2.5 | 3.2 | 3.9 | 4.7 | 5.6 | 6.6 | 7.6 | 21.0 | |
| 22.0 | 0.0 | 0.2 | 0.4 | 0.7 | 1.0 | 1.5 | 2.0 | 2.6 | 3.3 | 4.1 | 4.9 | 5.9 | 6.9 | 8.0 | 22.0 | |
| 23.0 | 0.0 | 0.2 | 0.4 | 0.7 | 1.1 | 1.5 | 2.1 | 2.7 | 3.4 | 4.3 | 5.2 | 6.1 | 7.2 | 8.3 | 23.0 | |
| 24.0 | 0.0 | 0.2 | 0.4 | 0.7 | 1.1 | 1.6 | 2.2 | 2.8 | 3.6 | 4.4 | 5.4 | 6.4 | 7.5 | 8.7 | 24.0 | |
| 25.0 | 0.0 | 0.2 | 0.4 | 0.7 | 1.2 | 1.7 | 2.3 | 3.0 | 3.8 | 4.6 | 5.6 | 6.7 | 7.8 | 9.1 | 25.0 | |
| 26.0 | 0.0 | 0.2 | 0.4 | 0.8 | 1.2 | 1.7 | 2.4 | 3.1 | 3.9 | 4.8 | 5.8 | 6.9 | 8.1 | 9.4 | 26.0 | |
| 27.0 | 0.0 | 0.2 | 0.4 | 0.8 | 1.2 | 1.8 | 2.4 | 3.2 | 4.0 | 5.0 | 6.0 | 7.2 | 8.5 | 9.8 | 27.0 | |
| 28.0 | 0.1 | 0.2 | 0.5 | 0.8 | 1.3 | 1.9 | 2.5 | 3.3 | 4.2 | 5.2 | 6.3 | 7.5 | 8.8 | 10.2 | 28.0 | |

Caution. —If this table is entered with the meridian angle of the Moon in arc units, such units should correspond to the meridian angle in time units as given in the Increments and Corrections section of the *Nautical Almanac*.

TABLE 25
Change of Altitude in Given Time from Meridian Transit

| ^a (table 24) | t, meridian angle | | | | | | | | | | | | | | | ^a (table 24) |
|-------------------------------|-------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|-------------------------------|
| | 1° 15' | 1° 20' | 1° 25' | 1° 30' | 1° 35' | 1° 40' | 1° 45' | 1° 50' | 1° 55' | 2° 00' | 2° 05' | 2° 10' | 2° 15' | 2° 20' | | |
| 5° 00' | 5° 20' | 5° 40' | 6° 00' | 6° 20' | 6° 40' | 7° 00' | 7° 20' | 7° 40' | 8° 00' | 8° 20' | 8° 40' | 9° 00' | 9° 20' | | | |
| " | ' | ' | ' | ' | ' | ' | ' | ' | ' | ' | ' | ' | ' | ' | ' | " |
| 0.1 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.3 | 0.3 | 0.3 | 0.2 |
| 0.3 | 0.1 | 0.1 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 | 0.4 | 0.4 | 0.4 | 0.3 |
| 0.4 | 0.2 | 0.2 | 0.2 | 0.2 | 0.3 | 0.3 | 0.3 | 0.4 | 0.4 | 0.4 | 0.5 | 0.5 | 0.5 | 0.6 | 0.6 | 0.4 |
| 0.5 | 0.2 | 0.2 | 0.3 | 0.3 | 0.4 | 0.4 | 0.4 | 0.5 | 0.5 | 0.5 | 0.6 | 0.6 | 0.7 | 0.7 | 0.7 | 0.5 |
| 0.6 | 0.2 | 0.3 | 0.3 | 0.4 | 0.4 | 0.5 | 0.5 | 0.6 | 0.6 | 0.6 | 0.7 | 0.8 | 0.8 | 0.9 | 0.9 | 0.6 |
| 0.7 | 0.3 | 0.3 | 0.4 | 0.4 | 0.5 | 0.5 | 0.6 | 0.7 | 0.7 | 0.8 | 0.9 | 0.9 | 1.0 | 1.1 | 1.2 | 0.8 |
| 0.8 | 0.3 | 0.4 | 0.4 | 0.5 | 0.5 | 0.6 | 0.7 | 0.7 | 0.8 | 0.9 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 0.8 |
| 0.9 | 0.4 | 0.4 | 0.5 | 0.5 | 0.6 | 0.7 | 0.7 | 0.8 | 0.9 | 0.9 | 1.0 | 1.0 | 1.1 | 1.2 | 1.3 | 0.9 |
| 1.0 | 0.4 | 0.5 | 0.5 | 0.6 | 0.7 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.5 | 1.0 |
| 2.0 | 0.8 | 0.9 | 1.1 | 1.2 | 1.3 | 1.5 | 1.6 | 1.8 | 2.0 | 2.1 | 2.3 | 2.5 | 2.7 | 2.9 | 2.0 | |
| 3.0 | 1.2 | 1.4 | 1.6 | 1.8 | 2.0 | 2.2 | 2.4 | 2.7 | 2.9 | 3.2 | 3.5 | 3.8 | 4.0 | 4.4 | 3.0 | |
| 4.0 | 1.7 | 1.9 | 2.1 | 2.4 | 2.7 | 3.0 | 3.3 | 3.6 | 3.9 | 4.3 | 4.6 | 5.0 | 5.4 | 5.8 | 4.0 | |
| 5.0 | 2.1 | 2.4 | 2.7 | 3.0 | 3.3 | 3.7 | 4.1 | 4.5 | 4.9 | 5.3 | 5.8 | 6.3 | 6.8 | 7.3 | 5.0 | |
| 6.0 | 2.5 | 2.8 | 3.2 | 3.6 | 4.0 | 4.4 | 4.9 | 5.4 | 5.9 | 6.4 | 6.9 | 7.5 | 8.1 | 8.7 | 6.0 | |
| 7.0 | 2.9 | 3.3 | 3.7 | 4.2 | 4.7 | 5.2 | 5.7 | 6.3 | 6.9 | 7.5 | 8.1 | 8.8 | 9.4 | 10.2 | 7.0 | |
| 8.0 | 3.3 | 3.8 | 4.3 | 4.8 | 5.3 | 5.9 | 6.5 | 7.2 | 7.8 | 8.5 | 9.3 | 10.0 | 10.8 | 11.6 | 8.0 | |
| 9.0 | 3.8 | 4.3 | 4.8 | 5.4 | 6.0 | 6.7 | 7.4 | 8.1 | 8.8 | 9.6 | 10.4 | 11.3 | 12.2 | 13.1 | 9.0 | |
| 10.0 | 4.2 | 4.7 | 5.4 | 6.0 | 6.7 | 7.4 | 8.2 | 9.0 | 9.8 | 10.7 | 11.6 | 12.5 | 13.5 | 14.5 | 10.0 | |
| 11.0 | 4.6 | 5.2 | 5.9 | 6.6 | 7.4 | 8.1 | 9.0 | 9.9 | 10.8 | 11.7 | 12.7 | 13.8 | 14.8 | 16.0 | 11.0 | |
| 12.0 | 5.0 | 5.7 | 6.4 | 7.2 | 8.0 | 8.9 | 9.8 | 10.8 | 11.8 | 12.8 | 13.9 | 15.0 | 16.2 | 17.4 | 12.0 | |
| 13.0 | 5.4 | 6.2 | 7.0 | 7.8 | 8.7 | 9.6 | 10.6 | 11.7 | 12.7 | 13.9 | 15.0 | 16.3 | 17.6 | 18.9 | 13.0 | |
| 14.0 | 5.8 | 6.6 | 7.5 | 8.4 | 9.4 | 10.4 | 11.4 | 12.5 | 13.7 | 14.9 | 16.2 | 17.5 | 18.9 | 20.3 | 14.0 | |
| 15.0 | 6.2 | 7.1 | 8.0 | 9.0 | 10.0 | 11.1 | 12.2 | 13.4 | 14.7 | 16.0 | 17.4 | 18.8 | 20.2 | 21.8 | 15.0 | |
| 16.0 | 6.7 | 7.6 | 8.6 | 9.6 | 10.7 | 11.9 | 13.1 | 14.3 | 15.7 | 17.1 | 18.5 | 20.0 | 21.6 | 23.2 | 16.0 | |
| 17.0 | 7.1 | 8.1 | 9.1 | 10.2 | 11.4 | 12.6 | 13.9 | 15.2 | 16.7 | 18.1 | 19.7 | 21.3 | 23.0 | 24.7 | 17.0 | |
| 18.0 | 7.5 | 8.5 | 9.6 | 10.8 | 12.0 | 13.3 | 14.7 | 16.1 | 17.6 | 19.2 | 20.8 | 2 | | | | |

TABLE 25

Change of Altitude in Given Time from Meridian Transit

| ^a (table 24) | t, meridian angle | | | | | | | | | | | | | ^a (table 24) |
|-------------------------------|-------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|-------------------------------|
| | 2° 25' | 2° 30' | 2° 35' | 2° 40' | 2° 45' | 2° 50' | 2° 55' | 3° 00' | 3° 05' | 3° 10' | 3° 15' | 3° 20' | 3° 25' | 3° 30' |
| 9° 40' | 10° 00' | 10° 20' | 10° 40' | 11° 00' | 11° 20' | 11° 40' | 12° 00' | 12° 20' | 12° 40' | 13° 00' | 13° 20' | 13° 40' | 14° 00' | |
| " | ' | ' | ' | ' | ' | ' | ' | ' | ' | ' | ' | ' | ' | " |
| 0.1 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.1 |
| 0.2 | 0.3 | 0.3 | 0.4 | 0.4 | 0.4 | 0.4 | 0.5 | 0.5 | 0.5 | 0.6 | 0.6 | 0.6 | 0.7 | 0.2 |
| 0.3 | 0.5 | 0.5 | 0.5 | 0.6 | 0.6 | 0.6 | 0.7 | 0.7 | 0.8 | 0.8 | 0.9 | 0.9 | 1.0 | 0.3 |
| 0.4 | 0.6 | 0.7 | 0.7 | 0.8 | 0.8 | 0.9 | 0.9 | 1.0 | 1.0 | 1.1 | 1.2 | 1.2 | 1.3 | 0.4 |
| 0.5 | 0.8 | 0.8 | 0.9 | 0.9 | 1.0 | 1.1 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.6 | 0.5 |
| 0.6 | 0.9 | 1.0 | 1.1 | 1.1 | 1.2 | 1.3 | 1.4 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 0.6 |
| 0.7 | 1.1 | 1.2 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 | 2.1 | 2.2 | 0.7 |
| 0.8 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 | 2.1 | 2.3 | 2.4 | 2.5 | 0.8 |
| 0.9 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 | 2.2 | 2.3 | 2.4 | 2.5 | 2.7 | 2.8 | 0.9 |
| 1.0 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 | 2.1 | 2.3 | 2.4 | 2.5 | 2.7 | 2.8 | 3.0 | 3.3 | 1.0 |
| 2.0 | 3.1 | 3.3 | 3.6 | 3.8 | 4.0 | 4.3 | 4.5 | 4.8 | 5.1 | 5.3 | 5.6 | 5.9 | 6.2 | 5.0 |
| 3.0 | 4.7 | 5.0 | 5.3 | 5.7 | 6.0 | 6.4 | 6.8 | 7.2 | 7.6 | 8.0 | 8.4 | 8.9 | 9.3 | 5.0 |
| 4.0 | 6.2 | 6.7 | 7.1 | 7.6 | 8.1 | 8.6 | 9.1 | 9.6 | 10.1 | 10.7 | 11.3 | 11.9 | 12.5 | 4.0 |
| 5.0 | 7.8 | 8.3 | 8.9 | 9.5 | 10.1 | 10.7 | 11.3 | 12.0 | 12.7 | 13.4 | 14.1 | 14.8 | 15.6 | 5.0 |
| 6.0 | 9.3 | 10.0 | 10.7 | 11.4 | 12.1 | 12.8 | 13.6 | 14.4 | 15.2 | 16.0 | 16.9 | 17.8 | 18.7 | 6.0 |
| 7.0 | 10.9 | 11.7 | 12.5 | 13.3 | 14.1 | 15.0 | 15.9 | 16.8 | 17.7 | 18.7 | 19.7 | 20.7 | 21.8 | 7.0 |
| 8.0 | 12.5 | 13.3 | 14.2 | 15.2 | 16.1 | 17.1 | 18.1 | 19.2 | 20.3 | 21.4 | 22.5 | 23.7 | 24.9 | 8.0 |
| 9.0 | 14.0 | 15.0 | 16.0 | 17.1 | 18.2 | 19.3 | 20.4 | 21.6 | 22.8 | 24.1 | 25.4 | 26.7 | 28.0 | 9.0 |
| 10.0 | 15.6 | 16.7 | 17.8 | 19.0 | 20.2 | 21.4 | 22.7 | 24.0 | 25.4 | 26.7 | 28.2 | 29.6 | | 10.0 |
| 11.0 | 17.1 | 18.3 | 19.6 | 20.9 | 22.2 | 23.5 | 25.0 | 26.4 | 27.9 | 29.4 | | | | 11.0 |
| 12.0 | 18.7 | 20.0 | 21.4 | 22.8 | 24.2 | 25.7 | 27.2 | 28.8 | | | | | | 12.0 |
| 13.0 | 20.2 | 21.7 | 23.1 | 24.7 | 26.2 | 27.8 | 29.5 | | | | | | | 13.0 |
| 14.0 | 21.8 | 23.3 | 24.9 | 26.6 | 28.2 | 30.0 | | | | | | | | 14.0 |
| 15.0 | 23.4 | 25.0 | 26.7 | 28.5 | 30.2 | | | | | | | | | 15.0 |
| 16.0 | 24.9 | 26.7 | 28.5 | 30.3 | | | | | | | | | | 16.0 |
| 17.0 | 26.5 | 28.3 | 30.3 | | | | | | | | | | | 17.0 |
| ^a (table 24) | t, meridian angle | | | | | | | | | | | | | ^a (table 24) |
| 3° 35' | 3° 40' | 3° 45' | 3° 50' | 3° 55' | 4° 00' | 4° 05' | 4° 10' | 4° 15' | 4° 20' | 4° 25' | 4° 30' | 4° 35' | 4° 40' | |
| 14° 20' | 14° 40' | 15° 00' | 15° 20' | 15° 40' | 16° 00' | 16° 20' | 16° 40' | 17° 00' | 17° 20' | 17° 40' | 18° 00' | 18° 20' | 18° 40' | |
| " | ' | ' | ' | ' | ' | ' | ' | ' | ' | ' | ' | ' | ' | " |

Caution. —If this table is entered with the meridian angle of the Moon in arc units, such units should correspond to the meridian angle in time units as given in the Increments and Corrections section of the *Nautical Almanac*.

| ^a (table 24) | t, meridian angle | | | | | | | | | | | | | ^a (table 24) |
|-------------------------------|-------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|-------------------------------|
| | 4° 45' | 4° 50' | 4° 55' | 5° 00' | 5° 05' | 5° 10' | 5° 15' | 5° 20' | 5° 25' | 5° 30' | 5° 35' | 5° 40' | 5° 45' | 5° 50' |
| 19° 00' | 19° 20' | 19° 40' | 20° 00' | 20° 20' | 20° 40' | 21° 00' | 21° 20' | 21° 40' | 22° 00' | 22° 20' | 22° 40' | 23° 00' | 23° 20' | |
| " | ' | ' | ' | ' | ' | ' | ' | ' | ' | ' | ' | ' | ' | " |
| 0.1 | 0.6 | 0.6 | 0.6 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.8 | 0.8 | 0.8 | 0.9 | 0.9 | 0.9 |
| 0.2 | 1.2 | 1.2 | 1.3 | 1.3 | 1.4 | 1.4 | 1.5 | 1.5 | 1.6 | 1.6 | 1.7 | 1.7 | 1.8 | 0.2 |
| 0.3 | 1.8 | 1.9 | 1.9 | 2.0 | 2.1 | 2.1 | 2.2 | 2.3 | 2.3 | 2.4 | 2.5 | 2.6 | 2.6 | 0.3 |
| 0.4 | 2.4 | 2.5 | 2.6 | 2.7 | 2.8 | 2.8 | 2.9 | 3.0 | 3.1 | 3.2 | 3.3 | 3.4 | 3.5 | 0.4 |
| 0.5 | 3.0 | 3.1 | 3.2 | 3.3 | 3.4 | 3.6 | 3.7 | 3.8 | 3.9 | 4.0 | 4.2 | 4.3 | 4.4 | 0.5 |
| 0.6 | 3.6 | 3.7 | 3.9 | 4.0 | 4.1 | 4.3 | 4.4 | 4.6 | 4.7 | 4.8 | 5.0 | 5.1 | 5.3 | 0.6 |
| 0.7 | 4.2 | 4.4 | 4.5 | 4.7 | 4.8 | 5.0 | 5.1 | 5.3 | 5.5 | 5.6 | 5.8 | 6.0 | 6.2 | 0.7 |
| 0.8 | 4.8 | 5.0 | 5.2 | 5.3 | 5.5 | 5.7 | 5.9 | 6.1 | 6.3 | 6.5 | 6.7 | 6.9 | 7.1 | 0.8 |
| 0.9 | 5.4 | 5.6 | 5.8 | 6.0 | 6.2 | 6.4 | 6.6 | 6.8 | 7.0 | 7.3 | 7.5 | 7.7 | 7.9 | 0.9 |
| 1.0 | 6.0 | 6.2 | 6.4 | 6.7 | 6.9 | 7.1 | 7.4 | 7.6 | 7.8 | 8.1 | 8.3 | 8.6 | 8.8 | 1.0 |
| 2.0 | 12.0 | 12.5 | 12.9 | 13.3 | 13.8 | 14.2 | 14.7 | 15.2 | 15.6 | 16.1 | 16.6 | 17.1 | 17.6 | 2.0 |
| 3.0 | 18.0 | 18.7 | 19.3 | 20.0 | 20.7 | 21.4 | 22.0 | 22.8 | 23.5 | 24.2 | 24.9 | 25.7 | 26.4 | 3.0 |
| 4.0 | 24.1 | 24.9 | 25.8 | 26.7 | 27.6 | 28.5 | 29.4 | 30.3 | 31.3 | | | | | 4.0 |
| ^a (table 24) | t, meridian angle | | | | | | | | | | | | | ^a (table 24) |
| | 5° 55' | 6° 00' | 6° 05' | 6° 10' | 6° 15' | 6° 20' | 6° 25' | 6° 30' | 6° 35' | 6° 40' | 6° 45' | 6° 50' | 6° 55' | 7° 00' |
| 23° 40' | 24° 00' | 24° 20' | 24° 40' | 25° 00' | 25° 20' | 25° 40' | 26° 00' | 26° 20' | 26° 40' | 27° 00' | 27° 20' | 27° 40' | 28° 20' | |
| " | ' | ' | ' | ' | ' | ' | ' | ' | ' | ' | ' | ' | ' | " |
| 0.1 | 0.9 | 1.0 | 1.0 | 1.0 | 1.1 | 1.1 | 1.1 | 1.2 | 1.2 | 1.2 | 1.2 | 1.3 | 1.3 | 0.1 |
| 0.2 | 1.9 | 1.9 | 2.0 | 2.0 | 2.1 | 2.1 | 2.2 | 2.3 | 2.3 | 2.4 | 2.4 | 2.5 | 2.6 | 0.2 |
| 0.3 | 2.8 | 2.9 | 3.0 | 3.0 | 3.1 | 3.2 | 3.3 | 3.4 | 3.5 | 3.6 | 3.6 | 3.7 | 3.8 | 0.3 |
| 0.4 | 3.7 | 3.8 | 3.9 | 4.1 | 4.2 | 4.3 | 4.4 | 4.5 | 4.6 | 4.7 | 4.9 | 5.0 | 5.1 | 0.4 |
| 0.5 | 4.7 | 4.8 | 4.9 | 5.1 | 5.2 | 5.3 | 5.5 | 5.6 | 5.8 | 5.9 | 6.1 | 6.2 | 6.4 | 0.5 |
| 0.6 | 5.6 | 5.8 | 5.9 | 6.1 | 6.2 | 6.4 | 6.6 | 6.8 | 6.9 | 7.1 | 7.3 | 7.5 | 7.7 | 0.6 |
| 0.7 | 6.5 | 6.7 | 6.9 | 7.1 | 7.3 | 7.5 | 7.7 | 7.9 | 8.1 | 8.3 | 8.5 | 8.7 | 8.9 | 0.7 |
| 0.8 | 7.5 | 7.7 | 7.9 | 8.1 | 8.3 | 8.6 | 8.8 | 9.0 | 9.2 | 9.5 | 9.7 | 10.0 | 10.2 | 0.8 |
| 0.9 | 8.4 | 8.6 | 8.9 | 9.1 | 9.4 | 9.6 | 9.9 | 10.1 | 10.4 | 10.7 | 10.9 | 11.2 | 11.5 | 0.9 |
| 1.0 | 9.3 | 9.6 | 9.9 | 10.1 | 10.4 | 10.7 | 11.0 | 11.3 | 11.6 | 11.9 | 12.2 | 12.5 | 12.8 | 1.0 |
| 2.0 | 18.7 | 19.2 | 19.7 | 20.3 | 20.8 | 21.4 | 22.0 | 22.5 | 23.1 | 23.7 | 24.3 | 24.9 | 25.5 | 26.1 |
| 3.0 | 28.0 | 28.8 | 29.6 | 30.4 | | | | | | | | | | 3.0 |

Caution. —If this table is entered with the meridian angle of the Moon in arc units, such units should correspond to the meridian angle in time units as given in the Increments and Corrections section of the *Nautical Almanac*.